

WORKBOOK ANSWER KEY

- 4 1 My brother is a good-humoured, tall boy.
2 He's got short, curly brown hair.
3 My sister is a tall, slim girl.
4 She's got big green eyes and shoulder-length blonde hair. / She's got shoulder-length blonde hair and big green eyes.
5 She's a softy-spoken girl with a great sense of humour.

Unit 5

Topic words p36

- 1 a wasting energy
b energy-saving lightbulb
c waste d green transport
- 2 Environmental problems: waste, traffic jams, wasting energy, pollution.
Environmental solutions: green transport, insulation, energy-saving lightbulb, recycling
- 3a Suggested answer:
1 Fossil fuels are non-renewable resources: one day, they will run out. They release carbon dioxide and other pollutants when we use them.
2 Renewable energy does not produce nearly so much pollution as fossil fuels. It is an unlimited source of power: it will never run out.

- b Renewable energy: solar panels, wind turbines, hydroelectric power.
Fossil fuels: oil, coal, gas.

- 4a 1 air 2 water 3 earth 4 fire
b a 2 b 1 c 4 d 3
5 1 a 2 b 3 b 4 a

Reading p37

- 1 1 The number of people who live in Ashton Hayes.
2 The amount of energy that Kate Harrison has saved.
3 The number of students who came to measure the village's carbon emissions.
4 The amount by which Ashton Hayes has reduced its carbon emissions.

- 2 1 ordinary 2 absorb 3 fuel bills
4 insulating 5 emissions
- 3 1 c 2 d 3 a 4 b 5 a
- 4 1 Because you will probably use less chemicals than a farmer, and you will not be responsible for any of the fuel bills involved in transporting vegetables from farms to supermarkets, running supermarkets, etc.

- 2 They are flying less and using green transport so are paying less for petrol, the school is using solar panels, some residents have insulated their homes and are using energy-saving lightbulbs.
3 Because carbon dioxide is a greenhouse gas which contributes to global warming.
4 Because it is inspiring other communities around the world to start similar projects.

Grammar p38

- 1 1 when 2 whose 3 which
4 that 5 who
- 2 1 How is your friend who was ill?
2 Where are the books which you got from the library?
3 That's the youth hostel where we stayed last summer.
4 They're the twins whose parents are both twins too!
- 5 Have you been to the new tapas bar which is on Cross Street?
- 3a 1 whose / a Spanish friend
2 that / a house 3 when / a time
4 who / the architect
5 that / the room
6 which / a flat roof
7 where / a country

- b 1 whose - no (because you can never omit whose)
2 that - no (because it is the subject of the clause)
3 when - no (because you can never omit when)
4 who - yes (because it is the object of the clause)
5 that - yes (because it is the object of the clause)
6 which - no (because it is the subject of the clause)
7 where - no (because you can never omit where)

4 Down

- 1 ... is a material which is made of cement and water.
2 The ... is the place where you install insulation.
3 ... is the season when you use heating.
5 ... is the season when you use air conditioning.
7 The ... is the place where you install solar panels.

Across

- 4 An ... is a person who designs buildings.
6 A ... is a person who constructs buildings.
8 ... is a gas which contributes to the greenhouse effect.

- 5 1 Calatrava, who is from Valencia, designed the City of Arts and Sciences.
2 Picasso, whose father was an art teacher, was a very famous artist.
3 Last August, when we were on holiday, we went to the south of Spain.
4 We visited the Alhambra, which is one of the most beautiful places I've ever seen.
5 Ferdinand and Isabella, who were the king and queen of Spain, lived there in 1492.

- 6 Alcalá de Henares, where Cervantes was born, is a World Heritage Site.

- 6 1 b 2 a 3 a 4 b
7 1 which 2 when 3 who / that
4 whose 5 who 6 where
7 where

8 Suggested answers:

- 1 I admire people who are honest and determined.
2 My teacher, who comes from Murcia, speaks three languages.
3 I like visiting places where there is a lot to see and do.
4 My house, where I have lived all my life, has three bedrooms and a big terrace.
5 I like clothes which make me look good.
6 These shoes, which cost €40, are really comfortable.

- 9a a which b who c when
d where

- b 1 c 2 a 3 d 4 b

Vocabulary 1 p40

- 1 1 insulation 2 overcrowding
3 building 4 emission
5 reduction

- 2 1 building 2 reduction
3 overcrowding 4 insulation
5 emission

- 3a 1 run out 2 give off / up
3 throw away 4 give up / off
5 turn off

- b 1 turn off 2 throw away
3 run out 4 give up 5 gives off
- 4 1 b 2 a 3 c 4 a 5 b
- 5 1 donate 2 campaigners
3 unsustainable 4 plain
- 6 Students' own answers.

Listening p41

- 1 1 A large, special greenhouse which contains a particular ecosystem.
2 The Mediterranean Biome.
3 The Core
4 A sculpture (about waste).